F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	SEE TITLE SHEET	419A	529

MD 108 IS ASSUMED TO RUN IN A EAST/WEST DIRECTION.

Construction Details

A. Install 27 ft. steel pole with twin 60 ft. & 50 ft. mast arms signal heads, signs and 20 ft. lighting arm with a 250 watt HPS lamp and luminaire. (Note: one - 2 in. PVC schedule 40 conduit bend and four - 2 in. x 90 in. anchor bolts. The contractor shall verify grading in these areas to obtain proper signal head clearance.

B. Install 27 ft. steel pole with a single 38 ft. mast arm and signal heads, signs, and 20 ft. lighting arm with a 250 watt HPS lamp and luminaire as shown. (Note: one - 2 in. PVC schedule 40 conduit bend and four - 1 3/4 in. x 90 in. anchor bolts).

C. Install 2 in. PVC schedule 80 electrical conduit - trenched.

D. Install handhole

E. Install a 12 in. x 30 in. steel strain pole with a 20 ft lighting arm with a 250 watt HPS lamp & luminaire. (Note: one-3 in. PVC schedule 40 conduit bend, a four 1 1/4in. x 90 in. anchor bolts).

F. Install 1 in. liquid tight flexible non-metallic conduit for detector wire sleeve.

G. Install 6ft. x 6ft. loop detector (4 turns) encased in flexible tubing.

H. Install ground mounted sign.

J. Install a 3/8 in. steel span wire, signal heads and signs as shown.

K. Install microloop probe set with a 1000 ft. lead-in as shown.

L. Install 6 ft. x 30 ft. quadruipe loop detector (3-6-3 turns) encased in flexible tubing.

M. Install 24 in. white permanent preformed pavement marking tape as shown.

N. Install 4 in. PVC schedule 80 electrical conduit- pushed / bored.

O. Install 4 in. PVC schedule 40 electrical conduit- trenched.

P. Install base mounted controller and cabinet (size 6) as shown. (Note: two - 4 in. PVC schedule 40, one - 2 in. PVC schedule 40, and one - 2 in. PVC schedule 80 conduit bends)

Q. Remove existing strain pole, foundation, and controller and cabinet.

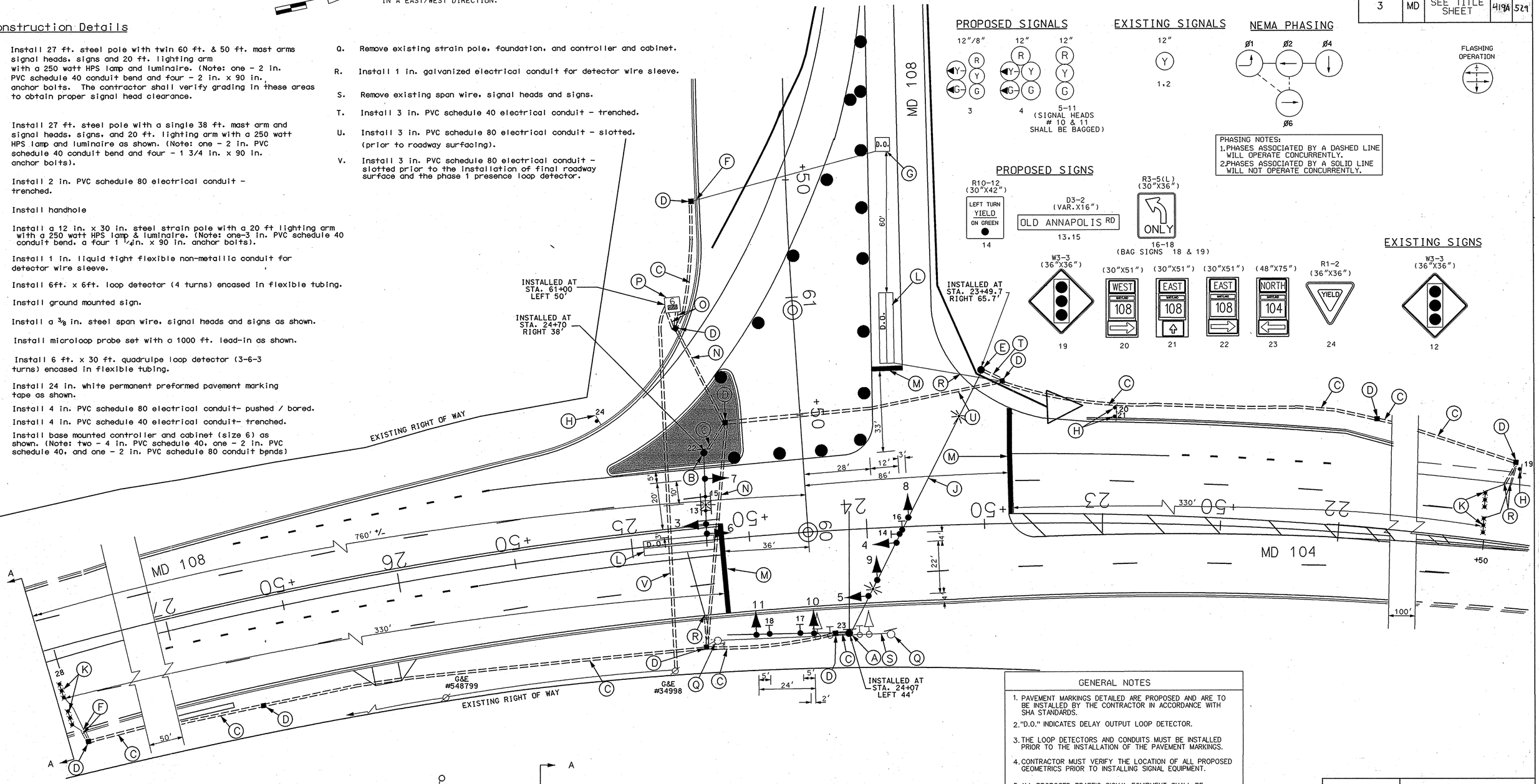
R. Install 1 in. galvanized electrical conduit for detector wire sleeve.

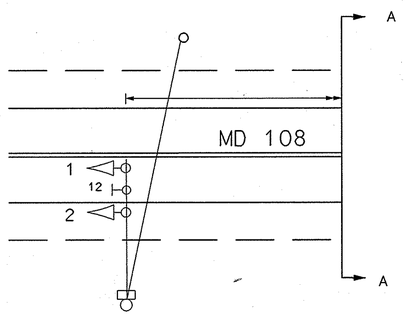
S. Remove existing span wire, signal heads and signs.

T. Install 3 in. PVC schedule 40 electrical conduit - trenched.

U. Install 3 in. PVC schedule 80 electrical conduit - slotted. (prior to roadway surfacing).

V. Install 3 in. PVC schedule 80 electrical conduit - slotted prior to the installation of final roadway surface and the phase 1 presence loop detector.





PROPOSED SIGNALS

EXISTING SIGNALS

NEMA PHASING

FLASHING OPERATION

PHASING NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PROPOSED SIGNS

EXISTING SIGNS

GENERAL NOTES

1. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH SHA STANDARDS.
2. "D.O." INDICATES DELAY OUTPUT LOOP DETECTOR.
3. THE LOOP DETECTORS AND CONDUITS MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
4. CONTRACTOR MUST VERIFY THE LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
5. ALL PROPOSED TRAFFIC SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
6. REFER TO PAVEMENT MARKING PLANS FOR ADDITIONAL SIGNING AND PAVEMENT MARKINGS.

SIG-8A	TEMPORARY SIGNAL #4 PHASE III

UTILITY LEGEND

T — T	TELEPHONE CABLES
G — G	GAS MAIN
W — W	WATER MAIN
S — S	SEWER MAIN
E — E	ELECTRIC CABLES
A — A	AERIAL CABLES
BC	BURIED CABLE
SD	STORM DRAIN

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

CONSULTING ENGINEERS
COLUMBIA, MARYLAND

REVISIONS	APPROVALS
9 REVISION NO. 9, 4/29/98 'NEW SHEET' DMP DCI TH 10/96	ASST. DIVISION CHIEF, TEDD
© RECONSTRUCT SIGNAL SHA PROJECT NO. HO-661-701-770 LSC DCI	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINALS ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 108 @ MD 104

LOGMILE #: DATE ___/___/___

DRAWN BY: J. GORDON	F.A.P. NO.	SEE TITLE SHEET	PLAN SHEET NO.:	SHEET NO.
CHECK BY: D. ZAFIRIS	S.H.A. NO.	HO-661-502-770	1589C	419.1 OF 529
SCALE: 1"=20'	COUNTY	HOWARD		